

1 4. (Currently amended) A computer program product for use on a system
2 including a digital computer that implements shared memory shared between at least a first
3 and second process, the computer program product comprising:
4 a computer usable medium having computer readable program code physically
5 embodied therein, said computer program product further comprising:
6 computer readable program code for causing said digital computer to maintain
7 access information identifying all client processes having access to shared shared memory;
8 computer readable program code for causing said digital computer to map the
9 access information into private address space of the first process;
10 computer readable program code, responsive to a peer mapping system call
11 from said first process, for causing said digital computer to utilize the access information to
12 map the additional shared memory into the address space of the second process having access
13 to the shared memory so that second process has the entire active shared memory mapped to
14 its address space.

1 5. (Original) The computer program product of claim 4 further comprising:
2 computer readable program code for causing said digital computer to maintain
3 information specifying the location of shared memory mapped to each process.

1 6. (Currently amended) The computer program product of claim 4 further
2 comprising:
3 computer readable program code for causing said digital computer to maintain
4 a data structure containing the process IDs of each process having access to the shared
5 memory.

1 7. (Currently amended) The computer program product of claim 4 further
2 comprising:
3 computer readable program code for causing said digital computer to:
4 maintain a data structure containing descriptive names of each process having
5 access to the shared memory;
6 maintain a data structure containing the process IDs of each process having
7 access to the shared memory; and
8 map the descriptive name of each process to a process ID for the process.